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REMARKS

Claims 3, 9, 14, 19, and 46 to 53 are pending in the present application. Claims 54 to 65 have been added herein. Claims 1 to 45 have been cancelled herein and claims 47 to 53 have been amended herein. Thus, upon entry of the present amendment, claims 46 to 65 will be under examination.

Regarding the amendments

Claims 47, 49, 52 and 53 have been amended to recite that the receptor is contacted with 2 or more different candidate compounds, rather than 100 or more different candidate compounds. This amendment is supported in the specification, for example, at page 37, lines 24-27.

New claims 54, 57, 60 and 63 are parallel to claims 3, 9, 14 and 19, but have been amended to incorporate grammatical changes suggested by the Examiner. New claims 54, 57, 60 and 63 are supported, for example, by claims 3, 9, 14 and 19 as originally filed. In particular, claims 54, 57, 60 and 63 recite the phrase "under conditions that permit said receptor to produce a G-protein coupled signal" rather than "under conditions wherein said receptor produces a G-protein coupled signal." This grammatical change adds no new matter. Claims 54, 57, 60 and 63 also recite a step of "determining" in place of "identifying." This grammatical change adds no new matter. Further, the phrase "one or more candidate compounds" has been replaced with "at least one candidate compound" to provide

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antecedent basis for "compound" as recited in step (b). This grammatical change adds no new matter. These new claims are thus supported by claims 3, 9, 14 and 19 as originally filed, as well as throughout the specification, for example, at page 34, line 30 to page 35, line 7, and at page 37, line 28 to page 38, line 16.

New claims 56, 59, 62 and 65 recite that the receptor is contacted with 100 or more compounds separately. These new claims are supported by claims 5, 10, 16 and 20 as originally filed, and by the specification, for example, at page 37, lines 24-27 and page 34, line 30, to page 35, line 7.

New claims 52 and 53 depend from claims 60 and 63, respectively, and recite that the receptor is contacted with 2 or more different candidate compounds. These new claims are supported, for example, by claims 16 and 20 as originally filed.

New claims 55, 58, 61 and 64 depend from claims 54, 57, 60 and 63 respectively, and recite that the receptor is contacted with a library of candidate compounds. These new claims are supported in the specification, for example, at page 36, line 30, to page 37, line 11, and page 37, lines 24-27.

As set forth above, the amendments and new claims are fully supported by the specification and claims as originally filed and do not introduce new matter. Accordingly, entry of the amendments is respectfully requested.

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CONCLUSION

In view of the amendments and the remarks submitted herein, Applicants submit that the claims are in condition for allowance and respectfully request a notice to that effect. The Examiner is invited to contact the undersigned agent or Cathryn Campbell if there are any questions relating to this application.

Respectfully submitted,

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